



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 12331623
SAU: MSAD 39
School: Hartford-Sumner Elementary Sch

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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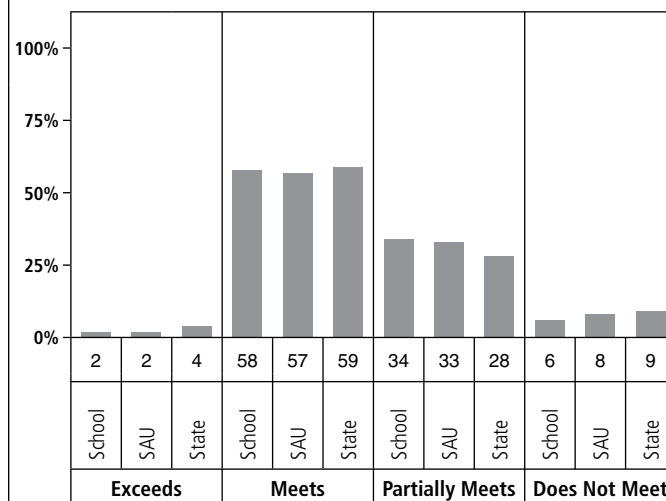
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 39
School: Hartford-Sumner Elementary Sch

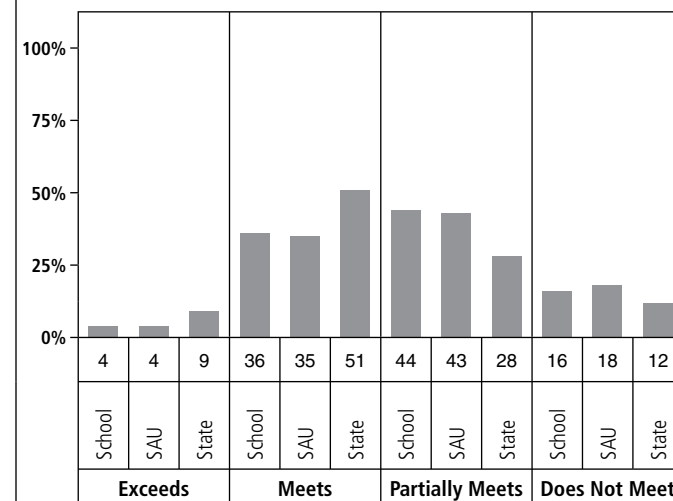
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	445	445	444
2006–2007	440	440	445
2007–2008	444	443	445
Cum. Avg. *	443	443	445
Mathematics			
2005–2006	443	443	444
2006–2007	437	437	445
2007–2008	440	439	445
Cum. Avg. *	440	440	445
Science & Technology			
2005–2006	443	443	444
2006–2007	434	434	444
2007–2008	439	438	444
Cum. Avg. *	439	439	444

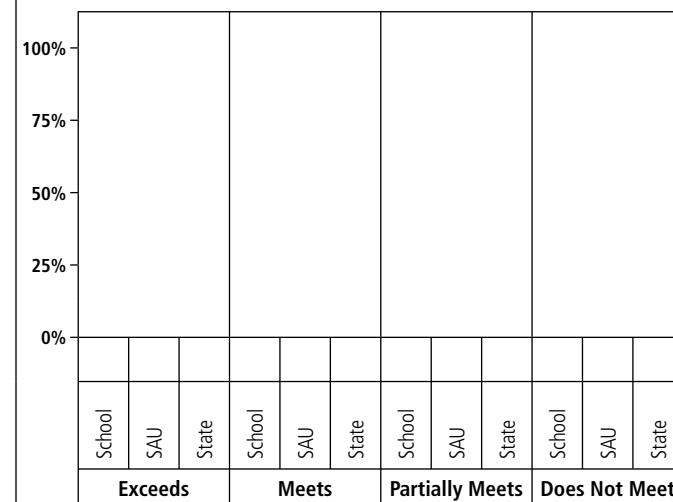
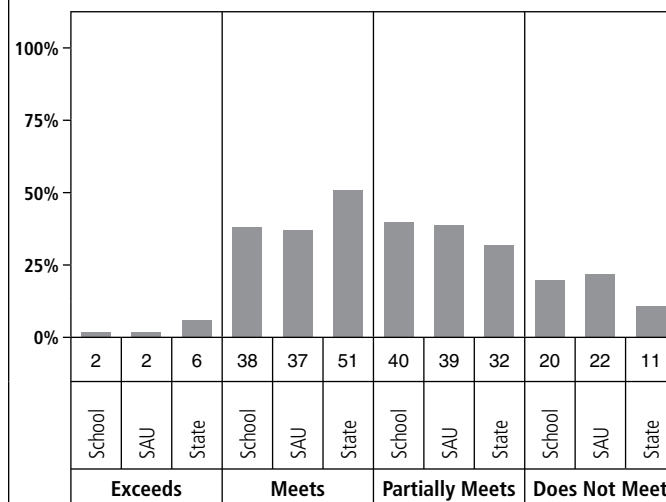
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
Total number of students	50	100	51	100	14207	100	50	100	51	100	14181	100	50	100	51	100	14123	100	50	100	51	100	14115	99						
Ethnicity African American/Black	0	0	0	0	390	3	0	0	0	0	388	99	0	0	0	0	388	99	0	0	0	0	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	1	2	1	2	263	2	1	100	1	100	259	98	1	100	1	100	262	100	1	100	1	100	262	100						
Hispanic	0	0	0	0	170	1	0	0	0	0	168	99	0	0	0	0	166	98	0	0	0	0	166	98						
Caucasian/White	49	98	50	98	13282	93	49	100	50	100	13264	100	49	100	50	100	13205	100	49	100	50	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	9	18	10	20	2524	18	9	100	10	100	2514	100	9	100	10	100	2498	99	9	100	10	100	2494	99						
Current LEP	0	0	0	0	385	3	0	0	0	0	377	98	0	0	0	0	383	99	0	0	0	0	380	99						
Economically disadvantaged	22	44	23	45	5587	39	22	100	23	100	5569	100	22	100	23	100	5538	99	22	100	23	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	35	70	35	69	10755	76	36	72	36	71	10730	76	42	84	42	82	10776	76						
Identified disability (PET/IEP)	1	3	1	3	375	3	1	3	1	3	374	3	1	2	1	2	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	15	30	16	31	3298	23	14	28	15	29	3267	23	8	16	9	18	3215	23						
Identified disability (PET/IEP)	8	53	9	56	2013	61	8	57	9	60	1998	61	8	100	9	100	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	7	47	7	44	1046	32	6	43	6	40	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	4
SAU:	MSAD 39
School:	Hartford-Sumner Elementary Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	0	0	601	4
	2006-2007	0	0	0	0	507	4
	2007-2008	1	2	1	2	559	4
	Cum. Total*	1	1	1	1	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	39	75	39	74	7910	57
	2006-2007	19	44	19	44	8749	63
	2007-2008	29	58	29	57	8308	59
	Cum. Total*	87	60	87	59	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	7	13	8	15	3970	29
	2006-2007	16	37	16	37	3467	25
	2007-2008	17	34	17	33	3922	28
	Cum. Total*	40	28	41	28	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	6	12	6	11	1421	10
	2006-2007	8	19	8	19	1165	8
	2007-2008	3	6	4	8	1264	9
	Cum. Total*	17	12	18	12	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	28.9	60.2	28.6	59.6	29.7	61.9
Literary Text	24	50	14.9	62.1	14.7	61.3	15.5	64.6
Informational Text	24	50	14.0	58.3	13.9	57.9	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	1	2	29	58	17	34	3	6	444	51	2	57	33	8	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	1										1						259	6	61	22	11	445
Hispanic	0										0						164	0	45	38	16	440
Caucasian/White	49	1	2	28	57	17	35	3	6	443	50	2	56	34	8	443	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	9	0	0	5	56	3	33	1	11	439	10	0	50	30	20	438	2388	0	29	44	26	437
No	41	1	2	24	59	14	34	2	5	445	41	2	59	34	5	445	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	50	1	2	29	58	17	34	3	6	444	51	2	57	33	8	443	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	22	0	0	12	55	9	41	1	5	442	23	0	52	39	9	441	5502	1	47	37	14	441
No	28	1	4	17	61	8	29	2	7	445	28	4	61	29	7	445	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	50	1	2	29	58	17	34	3	6	444	51	2	57	33	8	443	14048	4	59	28	9	445
Gender																						
Female	26	0	0	15	58	9	35	2	8	445	26	0	58	35	8	445	6959	5	61	26	8	446
Male	24	1	4	14	58	8	33	1	4	442	25	4	56	32	8	442	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	0	37	46	17	439
No	50	1	2	29	58	17	34	3	6	444	51	2	57	33	8	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	50	1	2	29	58	17	34	3	6	444	51	2	57	33	8	443	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	2	33	3	50	1	17	436	12	0	33	50	17	436	5	1	42	36	21	440
B. less than one hour	82	1	2	24	59	14	34	2	5	445	82	2	57	33	7	444	74	4	62	27	7	445
C. one to two hours	6	0	0	3	100	0	0	0	0	445	6	0	100	0	0	445	18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	22	0	0	9	82	2	18	0	0	447	24	0	75	17	8	446	30	6	63	24	7	446
B. They match some of what I have learned.	52	1	4	15	58	10	38	0	0	445	51	4	58	38	0	445	52	4	63	27	6	446
C. They match just a little of what I have learned.	16	0	0	3	38	5	63	0	0	440	16	0	38	63	0	440	12	2	46	37	15	441
D. There is no match.	10	0	0	2	40	0	0	3	60	435	10	0	40	0	60	435	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	38	0	0	13	68	3	16	3	16	443	39	0	65	15	20	443	35	7	66	20	6	448
B. good	40	1	5	10	50	9	45	0	0	444	39	5	50	45	0	444	51	3	60	29	7	445
C. fair	16	0	0	5	63	3	38	0	0	445	16	0	63	38	0	445	12	1	44	40	16	440
D. poor	6	0	0	1	33	2	67	0	0	439	6	0	33	67	0	439	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	27	0	0	7	54	5	38	1	8	442	28	0	50	36	14	441	19	2	46	34	17	442
B. about the same as my regular schoolwork	47	1	4	15	65	6	26	1	4	445	46	4	65	26	4	445	62	5	64	26	5	446
C. easier than my regular schoolwork	27	0	0	7	54	5	38	1	8	444	26	0	54	38	8	444	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	15	0	0	2	29	3	43	2	29	435	14	0	29	43	29	435	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	50	1	4	14	58	9	38	0	0	446	51	4	56	36	4	445	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	35	0	0	12	71	4	24	1	6	444	35	0	71	24	6	444	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	20	0	0	6	60	4	40	0	0	445	20	0	60	40	0	445	18	7	64	22	7	447
B. 20 minutes to an hour	60	1	3	19	63	8	27	2	7	445	61	3	61	26	10	444	55	4	64	26	6	446
C. less than 20 minutes	8	0	0	2	50	1	25	1	25	439	8	0	50	25	25	439	14	2	53	33	12	443
D. I rarely read at home.	12	0	0	2	33	4	67	0	0	439	12	0	33	67	0	439	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	20	0	0	4	40	4	40	2	20	438	20	0	40	40	20	438	23	3	50	34	13	442
B. six to ten pages	34	0	0	11	65	5	29	1	6	442	35	0	61	28	11	442	25	3	60	29	8	444
C. eleven or more pages	46	1	4	14	61	8	35	0	0	447	45	4	61	35	0	447	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 39
School: Hartford-Sumner Elementary Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	3	6	3	6	1294	9
	2006-2007	0	0	0	0	1054	8
	2007-2008	2	4	2	4	1321	9
	Cum. Total*	5	3	5	3	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	28	54	28	53	7000	50
	2006-2007	15	35	15	35	7394	53
	2007-2008	18	36	18	35	7079	51
	Cum. Total*	61	42	61	41	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	16	31	16	30	3784	27
	2006-2007	17	40	17	40	3729	27
	2007-2008	22	44	22	43	3955	28
	Cum. Total*	55	38	55	37	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	5	10	6	11	1894	14
	2006-2007	11	26	11	26	1735	12
	2007-2008	8	16	9	18	1642	12
	Cum. Total*	24	17	26	18	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	8.0	53.3	7.9	52.7	9.5	63.3
Cluster 2: Shape and Size	14	29	8.2	58.6	8.1	57.9	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.1	62.0	3.1	62.0	3.4	68.0
Cluster 4: Patterns	14	29	8.9	63.6	8.7	62.1	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	2	4	18	36	22	44	8	16	440	51	4	35	43	18	439	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	1										1						262	14	51	23	12	447
Hispanic	0										0						162	4	41	34	21	440
Caucasian/White	49	2	4	17	35	22	45	8	16	440	50	4	34	44	18	439	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	9	0	0	4	44	3	33	2	22	438	10	0	40	30	30	435	2372	3	31	36	30	436
No	41	2	5	14	34	19	46	6	15	440	41	5	34	46	15	440	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	50	2	4	18	36	22	44	8	16	440	51	4	35	43	18	439	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	22	0	0	8	36	10	45	4	18	438	23	0	35	43	22	436	5472	5	41	35	19	440
No	28	2	7	10	36	12	43	4	14	441	28	7	36	43	14	441	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	50	2	4	18	36	22	44	8	16	440	51	4	35	43	18	439	13992	9	51	28	12	445
Gender																						
Female	26	1	4	9	35	12	46	4	15	439	26	4	35	46	15	439	6933	9	50	29	12	445
Male	24	1	4	9	38	10	42	4	17	440	25	4	36	40	20	439	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	2	34	41	23	438
No	50	2	4	18	36	22	44	8	16	440	51	4	35	43	18	439	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	50	2	4	18	36	22	44	8	16	440	51	4	35	43	18	439	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	1	17	3	50	2	33	432	12	0	17	50	33	432	5	6	34	33	27	438
B. less than one hour	82	2	5	15	37	18	44	6	15	440	82	5	36	43	17	439	74	10	52	28	10	446
C. one to two hours	6	0	0	2	67	1	33	0	0	445	6	0	67	33	0	445	18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	48	2	8	10	42	9	38	3	13	443	49	8	40	36	16	442	38	13	56	23	8	448
B. They match some of what I have learned.	38	0	0	7	37	10	53	2	11	439	37	0	37	53	11	439	48	8	52	29	10	445
C. They match just a little of what I have learned.	12	0	0	1	17	2	33	3	50	428	12	0	17	33	50	428	10	4	35	39	22	439
D. There is no match.	2	0	0	0	0	1	100	0	0	438	2	0	0	100	0	438	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	26	0	0	7	54	5	38	1	8	443	27	0	50	36	14	440	35	16	55	20	8	449
B. good	56	1	4	8	29	15	54	4	14	439	55	4	29	54	14	439	48	7	52	31	11	445
C. fair	14	1	14	3	43	1	14	2	29	442	14	14	43	14	29	442	14	3	41	38	18	440
D. poor	4	0	0	0	0	1	50	1	50	425	4	0	0	50	50	425	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	0	0	2	33	2	33	2	33	433	14	0	29	29	43	428	15	4	38	33	25	439
B. about the same as my regular schoolwork	76	2	5	13	34	18	47	5	13	441	75	5	34	47	13	441	64	10	54	28	9	446
C. easier than my regular schoolwork	12	0	0	3	50	2	33	1	17	440	12	0	50	33	17	440	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	24	1	8	3	25	4	33	4	33	436	24	8	25	33	33	436	23	8	47	29	16	443
B. two or three days a week	34	0	0	6	35	8	47	3	18	440	35	0	33	44	22	437	36	11	54	27	9	447
C. two or three times each month	22	0	0	5	45	5	45	1	9	439	22	0	45	45	9	439	25	10	53	27	10	446
D. never or almost never	20	1	10	4	40	5	50	0	0	445	20	10	40	50	0	445	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	8	0	0	1	25	1	25	2	50	431	8	0	25	25	50	431	5	3	30	33	33	436
B. two or three days a week	18	0	0	1	11	5	56	3	33	432	18	0	11	56	33	432	19	8	50	30	12	445
C. two or three times each month	22	1	9	3	27	5	45	2	18	441	22	9	27	45	18	441	38	11	55	26	8	447
D. never or almost never	52	1	4	13	50	11	42	1	4	443	53	4	48	41	7	441	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	18	0	0	2	22	3	33	4	44	430	20	0	20	30	50	427	8	3	33	38	25	438
B. 30–45 minutes	36	0	0	6	33	9	50	3	17	438	35	0	33	50	17	438	27	6	48	33	13	443
C. 45–60 minutes	40	2	10	9	45	9	45	0	0	446	39	10	45	45	0	446	38	11	54	26	9	447
D. more than 60 minutes	6	0	0	1	33	1	33	1	33	437	6	0	33	33	33	437	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date:	March 2008
Grade:	4
SAU:	MSAD 39
School:	Hartford-Sumner Elementary Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	1	2	1	2	751	5
	2006-2007	0	0	0	0	963	7
	2007-2008	1	2	1	2	882	6
	Cum. Total*	2	1	2	1	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	29	56	29	55	7251	52
	2006-2007	10	23	10	23	6824	49
	2007-2008	19	38	19	37	7130	51
	Cum. Total*	58	40	58	39	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	17	33	18	34	4514	32
	2006-2007	17	40	17	40	4382	32
	2007-2008	20	40	20	39	4433	32
	Cum. Total*	54	37	55	37	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	5	10	5	9	1458	10
	2006-2007	16	37	16	37	1735	12
	2007-2008	10	20	11	22	1546	11
	Cum. Total*	31	21	32	22	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	7.4	61.7	7.3	60.8	8.0	66.7
Cluster 2: Physical Sciences	12	25	6.0	50.0	6.0	50.0	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	6.6	55.0	6.5	54.2	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	6.8	56.7	6.7	55.8	7.6	63.3

- Cluster 1: Life Sciences**
 A. Classifying Life Forms
 B. Ecology
 C. Cells
- Cluster 2: Physical Sciences**
 E. Structure of Matter
 H. Energy
 I. Motion
- Cluster 3: Earth and Space Sciences**
 D. Continuity and Change
 F. The Earth
 G. The Universe
- Cluster 4: Nature and Implications of Science**
 J. Inquiry and Problem Solving
 K. Scientific Reasoning
 L. Communication
 M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 39
 School: Hartford-Sumner Elementary Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	1	2	19	38	20	40	10	20	439	51	2	37	39	22	438	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										0						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	1										1						262	5	52	28	14	443
Hispanic	0										0						162	2	38	39	21	439
Caucasian/White	49	1	2	18	37	20	41	10	20	438	50	2	36	40	22	438	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	9	0	0	4	44	4	44	1	11	440	10	0	40	40	20	436	2370	2	32	41	25	437
No	41	1	2	15	37	16	39	9	22	438	41	2	37	39	22	438	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	50	1	2	19	38	20	40	10	20	439	51	2	37	39	22	438	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	22	0	0	6	27	11	50	5	23	436	23	0	26	48	26	434	5470	3	41	39	18	440
No	28	1	4	13	46	9	32	5	18	441	28	4	46	32	18	441	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	50	1	2	19	38	20	40	10	20	439	51	2	37	39	22	438	13986	6	51	32	11	444
Gender																						
Female	26	1	4	8	31	11	42	6	23	438	26	4	31	42	23	438	6929	6	49	33	12	443
Male	24	0	0	11	46	9	38	4	17	439	25	0	44	36	20	438	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1888	1	32	44	23	437
No	50	1	2	19	38	20	40	10	20	439	51	2	37	39	22	438	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	50	1	2	19	38	20	40	10	20	439	51	2	37	39	22	438	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 39
School: Hartford-Sumner Elementary Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	2	33	3	50	1	17	435	12	0	33	50	17	435	5	4	37	36	22	439
B. less than one hour	82	1	2	16	39	15	37	9	22	439	82	2	38	36	24	438	74	6	53	31	10	444
C. one to two hours	6	0	0	1	33	2	67	0	0	443	6	0	33	67	0	443	18	7	52	32	8	445
D. more than two hours	0										0						2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	24	0	0	6	50	3	25	3	25	440	25	0	46	23	31	438	24	9	53	28	10	446
B. They match some of what I have learned.	42	1	5	8	38	9	43	3	14	440	41	5	38	43	14	440	49	6	54	31	9	445
C. They match just a little of what I have learned.	24	0	0	4	33	5	42	3	25	435	24	0	33	42	25	435	21	4	47	36	13	442
D. There is no match.	10	0	0	1	20	3	60	1	20	435	10	0	20	60	20	435	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	0	0	6	50	3	25	3	25	438	25	0	46	23	31	435	25	9	53	27	10	446
B. good	50	0	0	8	32	11	44	6	24	437	49	0	32	44	24	437	54	6	55	30	9	445
C. fair	24	1	8	4	33	6	50	1	8	442	24	8	33	50	8	442	19	3	43	40	15	441
D. poor	2	0	0	1	100	0	0	0	0	452	2	0	100	0	0	452	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	32	0	0	7	47	5	33	3	20	438	31	0	47	33	20	438	22	5	45	35	15	442
B. about the same as my regular schoolwork	53	1	4	7	28	10	40	7	28	437	54	4	27	38	31	436	62	7	53	31	9	445
C. easier than my regular schoolwork	15	0	0	4	57	3	43	0	0	445	15	0	57	43	0	445	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	54	0	0	9	33	11	41	7	26	437	55	0	32	39	29	436	24	7	48	33	12	444
B. a few times a week	34	0	0	9	53	6	35	2	12	440	33	0	53	35	12	440	53	7	54	31	9	445
C. once a week	2	0	0	0	0	0	0	1	100	418	2	0	0	0	100	418	9	6	46	33	15	442
D. a few times a month	10	1	20	1	20	3	60	0	0	448	10	20	20	60	0	448	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	30	1	7	3	20	8	53	3	20	438	29	7	20	53	20	438	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	26	0	0	4	31	6	46	3	23	437	27	0	29	43	29	435	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	36	0	0	11	61	3	17	4	22	439	35	0	61	17	22	439	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	8	0	0	1	25	3	75	0	0	443	8	0	25	75	0	443	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											